



Description

The Western New York Z7+ NZE Commercial and Manufacturing Demonstration Project is a proposed 95,000+ sq. ft. flexmanufacturing net-zero energy building powered by solar, geothermal and wind energy to produce as much energy as it consumes.

As the first certified zero-net energy manufacturing facility in New York, the project will be a state-of-the-art facility showcasing new advances in renewable energy construction, building performance testing, energy management and workforce training. The building design promotes cost-effective renewable energy sources, dispelling the myth that ZNE and LEED certifications are cost prohibitive.

Zero Net Energy

Western New York

Commercial & Manufacturing Demonstration Project

Project Benefit

- Establish Western New York as an innovator in clean energy manufacturing
- Accelerate investment in energy efficiency and clean energy by initiating a zeroenergy district
- Create high-wage jobs, including spin-off jobs that support the renewable energy industry
- Build a framework and pathway for design and construction of net-zero manufacturing facilities, encouraging replication
- Develop a clean energy technologies workforce, creating a niche for the region
- Foster innovation and entrepreneurship
- Attract national and international interest and support to help advance sustainable manufacturing worldwide
- Revitalize the former Bethlehem Steel site, transforming brownfields into a commercial net-zero energy campus
- Create economic development opportunities for the immediate surrounding neighborhoods, which are currently designated as distressed areas



Location and Amenities

The Z7+ NZE is proposed for a 15-acre brownfield site on the former Bethlehem Steel campus known as the Bethlehem Steel Redevelopment Area (BSRA). Located in an economically distressed area in the City of Lackawanna, NY, the long-vacant brownfield site has critical rail facilities connecting national and international rail carriers and deep water ports that service worldwide cargo shipping vessels.



Proposed Location

2303 Hamburg Turnpike
Lackawanna, NY

Current Project Status

Design Development

Design Team

HGA Architects and Engineering
Integral Group
C&S Civil Engineers
Watts Architecture and Engineering
Seventh Wave
Syracuse Engineers
C&S Group

Contractor [Design Development Phase]

Turner Construction

Est. Cost of Construction

\$25 million - \$30 million

Timeline

The project is currently in design phase.

Estimated timeline:

- Design development & construction documents underway
- Site Work
- Construction [15 months]



Partners

The following partners provided federal, state, and regional support:



University at Buffalo
The State University of New York

nationalgrid



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U.S. DEPARTMENT OF ENERGY



Western New York Sustainable Business Roundtable
Creating an environmentally and economically resilient Buffalo-Niagara

www.WNY SustainableBusiness.org

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